CIS Video Rentals

By: Tripp Guinn, Joshua De Leon, & Jeremy Holmes

Subject:

Our goal is to make a web-based movie rental service with the library size of Netflix and cost minimalization of pay-per-view.

Functions:

RegisterUser- Adds a new user to the database

LogIn- Checks the database for the inputted user credentials and starts a session

SearchName- Searches for movies based on inputted name given by user

SearchGenre- Searches for movies based on a user selected genre

AddMovie- Adds a new movie into the database: used by Administrator

RemoveMovie- Removes a movie from the database: used by Administrator

GetDescription- Returns the description of a movie

GetRatings- Returns the ratings of a movie

RateMovie- Allows a user to give their own rating of a movie

PayBill- Used by user to accept bill and pay it using given payment information

AddCreditCard- Lets user add a credit/debit/PayPal card onto their account for use

Entity Types:

Client

Movie

Administrator

Manager

Studio

Contract

Rentals

Purchases

Bill

Relationship Types:

RENTS

NEGOTIATES

WORKS\_FOR

MANAGES

PAYS

SEARCHES

ADDS

REMOVES

EDITS

Who Did What:

Functions: Tripp

Entity Types: Josh, Tripp, Jeremy

Relationship Types: Josh, Tripp, Jeremy

Cardinality Ratios: Jeremy

ER Diagrams: Josh